

Grade 8 Unpacked Math Standards – Statistics & Probability

8.S.1.1. Students are able to **find** the mean, median, mode, and range of a data set from a stem-and-leaf plot and a line plot.

Webb Level: 1

Bloom: Comprehension

Verbs Defined:

Find: find/calculate

Key Terms Defined:

Teacher Speak:

Students are able to find (find/calculate) the mean, median, mode and range of a set of data from a stem-and-leaf plot and line plot.

Student Speak:

From a stem-and-leaf plot and a line plot, I can:

*calculate (find) the mean

*find/calculate the median

*find the mode

*calculate (find) the range

8.S.1.2. Students are able to use a variety of visual representations to **display** data to **make** comparisons and predictions.

Webb level: 3

Bloom: Application

Verbs Defined:

Display: represent

Make: write

Key Terms Defined:

Visual representations: double bar, double line, scatter plot

Teacher Speak:

Students are able to use a variety of visual representations to display (represent) data to make (write) comparisons and predictions.

Student Speak:

I can write (make) predictions and comparisons using a:

- *double bar graph.
- *double line graph.
- *scatter plot.

I can represent (display) data using a:

- *double bar graph.
- *double line graph.
- *scatter plot.

8.S.2.1. Students are able to **find** the sample space and **compute** probability for two simultaneous independent events.

Webb level: 2

Bloom: Comprehension

Verbs Defined:

Find: record

Compute: calculate

Key terms defined:

Sample space: all the possible outcomes

Probability: a way of describing the likelihood of an event; the ratio of favorable outcomes to all possible outcomes

Simultaneous: happening at the same time

Independent events: an event in which the first outcome does not affect the second outcome

Teacher Speak:

Students are able to find (record) the sample space and compute (calculate) the probability for two simultaneous independent events.

Student Speak:

I can record (find) the possible outcomes (sample space).

I can calculate (compute) probability of two different events (simultaneous independent events).

Working Document